

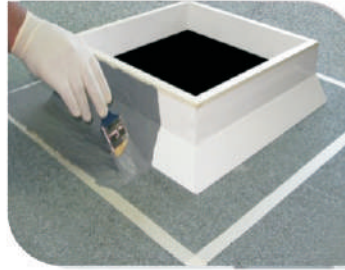


EUROTHANE HP 425

Hybrid Polyurethane Liquid Applied Waterproofing



EUROBUILD
CONSTRUCTION CHEMICALS & COATINGS



EUROTHANE HP 425

Hybrid Polyurethane Liquid Applied Waterproofing

Applications

Recommended for Concrete roof, Swimming pools, Bathrooms and permanent wet areas

System Components

EuroBond SBR 201

As a reinforcement of the waterproofing additive for concrete/plaster

FlexJoint Tape

As a reinforcement of the waterproofing in corners, sanitary and drain systems

EuroTile WR 602

EuroTile WR is recommended as tile adhesive for floor and wall tiles

EuroGrout LM 801

EuroGrout LM is recommended as tile joint grouts for floor and wall tiles

EuroBond EP 205

Epoxy Base Flexible Bond Kit for Pipes & Fittings

EuroSealer SS 500

EuroSealer SS is recommended as a water repellent sealer for floor and wall

EUROTHANE HP 425

Hybrid Polyurethane Liquid Applied Waterproofing

Description: EuroThane HP 425 liquid applied hybrid polyurethane elastomeric membrane for waterproofing and high grade protection system of a wide range of surfaces. The product cures to a tough rubber like finish with exceptional elasticity, which allows for expansion and contraction over a wide range of temperatures. EuroThane HP 425 has excellent bonding to substrate thus, water can't penetrate through the membrane even if it's accidentally punctured. EuroThane HP 425 is applied either by brush, roller or spray. EuroThane HP 425 provides excellent waterproof membrane with or without the support of reinforcing fabric.

Uses

EuroThane HP 425 ideally suitable for Protection/Waterproofing on:-

- Specially formulated for protection/waterproofing
- Recommended for concrete surfaces
- Concrete protection
- Swimming Pools waterproofing.
- Residential & Commercial buildings roof waterproofing.
- Recommended for Flat and Slope roof areas .
- Waterproofing between the structural slab and concrete
- Recommended for Wet Areas.

Curing & Testing

The applied areas allow to cure min. 3 days @ temp. >35° C. Water testing should be conducted only after 3 days of the final coating. Protect the surface immediate after the flood test.

Typical properties of Cured Material

(Cured for 14 days uncatalysed at 25° C, 50% R.H.)

Tensile Strength	ASTM D 412-75	200 psi	Moisture Transmission	ASTM E 96-66 In gm/hr/m ²	0.02
Elongation	ASTM D 412-75	>500 %	Crack Bridging	ASTM C 186	2 mm
Hardness Shore A	ASTM 412-75	65±5	Shelf Life (35° C)	12 months	
Resilience (Recovery %)	STM 412-75	100%			
Pull Off Strength	BS 1881 Part 207		2.0 N/mm ²		
Depth of Water Penetration	BS EN 12390 P 8	5 Bar	Nil		
Depth of Water Penetration	DIN 1048 P 5-91	5 Bar	Nil		
Chloride ion diffusivity			"0" penetration at 90 days		

Application Instruction

Surface Preparation

All surfaces must be smooth, dry, firm and free of voids, projections, loose materials, oil, grease, curing compounds and other foreign materials. Concrete should be cured a min. of 28 days before applying membrane. Ensure the surface is completely dust free prior to the coating. Surface preparation is highly important.

Application

EuroThane HP 425 designed primarily for horizontal applications with it's self-levelling characteristics, and also can be applied to vertical surfaces with a roller or suitable spray equipment. Apply EuroThane HP 425 at a thickness of -800-1000 micron WFT as a primer coat. However, it will be necessary to make 2 coats to build up the desired thickness. Recommended thickness is 2 mm for horizontal surfaces. Each coat must have a gap of min. 6 hours on the temperature >35°C. Reinforcement with fabric/mesh enhances the durability and waterproof property.

Mixing

EuroThane HP 425 is ready to use product, do not add water or solvent

Shelf Life

EuroThane HP 425 shelf life period of 12 months, if stored in a cool and dry environment.

Advantages

- Excellent and permanent barrier for water leaks.
- Highly flexible product, self cures and forms elastomeric anti - fracture membrane.
- Excellent protection for exposed concrete surface.
- Excellent withstanding on severe cases of expansion, contraction and movements.
- Highly water resistant.
- Highly U.V resistant
- Excellent alkaline resistant
- Excellent crack resistant and durable.
- Excellent surface bonding (Concrete and masonry)
- Superior adhesion property ensures durable bond & resistance to peeling, separation and provides longer life.

Health and Safety

Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provide additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advise

LEED

EuroThane HP 425 product may contribute towards leed limit VOC free

Limitations

EuroThane HP 425 is not recommended for finishing surfaces. Do not apply on excessively hot decks.

Coverage

Wet Film Thickness
1000 micron 2.0 m²/ltr

Packing

20 Ltr Pail.

Technical Service

EUROBUILD offers full technical support to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Tools Cleaning

Tools and equipment may be cleaned with using water.

NOTE

The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given by good faith in order to help you. Our Company policy is one of continuous Research and development, we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

EUROTHANE HP 425

ULTIMATE WATERPROOFING SOLUTION

Products Range

Thick & Thin Bed Mortar Additives ←

Bonding Agents ←

Flooring ←

Waterproofing Systems ←

Marble, Stone Sealers ←

Concrete Protective Systems ←

Adhesives ←

Concrete Repair Systems ←

Grouts - Tiles & Industrial ←

Construction Speciality Products ←

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